

WHAT IS NEW AND DESIRED TO BE SECURED BY LETTERS PATENT OF THE
UNITED STATES IS:

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1. A nozzle for a burner, said nozzle comprising:

a body having a first end ²² adapted to attach to the burner and a second end;

5 a first tube ³³ extending through said body, said first tube having a first inlet ²⁴ on said first end of said body and a first outlet ³⁴ on said second end of said body; and

a second tube ⁴³ extending through said body, said second tube having a second inlet ⁴² on said first end of said body and a second outlet ⁴⁴ on said second end of said body,

wherein said first tube and said second tube are separate along a substantial length of said body.

2. The nozzle according to Claim 1, wherein said first tube and said second tube are separate along an entire length of said body.

3. The nozzle according to Claim 1, further comprising a third tube extending through said body, said third tube having a third inlet on said first end of said body and a third outlet on said second end of said body, wherein said third tube is separate from said first tube and said second tube along a substantial length of said body.

4. The nozzle according to Claim 3, wherein said first tube, said second tube, and said third tube are separate along an entire length of said body.

5. The nozzle according to Claim 3, wherein said first tube and said second tube each have an angle of dispersion in a range from about 7 degrees to about 15 degrees, and wherein said second tube has an angle of dispersion of about zero degrees.

6. The nozzle according to Claim 1, wherein said first tube is linear.

7. The nozzle according to Claim 6, wherein said second tube is linear.

8. The nozzle according to Claim 1, wherein said first tube includes a first linear section connected to said first inlet and a second linear section connected to said first outlet, 5 said second linear section being provided at a predetermined angle in relation to said first linear section.

9. The nozzle according to Claim 8, wherein said second tube is linear along an entire length thereof.

10. The nozzle according to Claim 1, wherein said first tube has an angle of dispersion in a range from about 7 degrees to about 15 degrees.

11. The nozzle according to Claim 1, wherein said first tube maintains a constant cross-sectional area over a substantial length thereof, and wherein said second tube maintains a constant cross-sectional area over a substantial length thereof. 15

12. The nozzle according to Claim 11, wherein said first tube maintains a constant cross-sectional area over an entire length thereof, and wherein said second tube maintains a constant cross-sectional area over an entire length thereof.

13. A nozzle for a burner, said nozzle comprising:
a body having a first end adapted to attach to the burner and a second end, said first end having plurality of inlet holes and said second end having a plurality of outlet holes, each 20 inlet hole being connected to a single outlet hole by a separate tube.

14. The nozzle according to Claim 13, wherein said separate tubes are linear.

15. The nozzle according to Claim 13, wherein at least one of said separate tubes includes a first linear section connected to one of said inlet holes and a second linear section connected to one of said outlet holes, said second linear section being provided at a predetermined angle in relation to said first linear section.

5 16. The nozzle according to Claim 15, wherein another of said separate tubes is linear along an entire length thereof.

17. The nozzle according to Claim 13, wherein at least one of said plurality of outlet holes has an angle of dispersion in a range from about 7 degrees to about 15 degrees.

18. The nozzle according to Claim 13, wherein said separate tubes maintain a constant cross-sectional area over a substantial length thereof.

19. A nozzle for a burner, said nozzle comprising:
a body having a first end adapted to attach to the burner and a second end, said body having a plurality of separate tubes extending therethrough, said plurality of separate tubes each having an inlet hole on said first end and an outlet hole on said second end.

15 20. The nozzle according to Claim 19, wherein at least one of said plurality of separate tubes includes a first linear section and a second linear section, said second linear section being provided at a predetermined angle in relation to said first linear section, and wherein another of said plurality of separate tubes is linear along an entire length thereof.

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